

03-07-2002 10:34

From-KNOBBE MARTENS ON and BEAR

P 002/000 F-326

Application No.: 09/944903  
Filing Date: August 30, 2001

MAR 26 2002

**COPY OF PAPERS  
ORIGINALLY FILED**

PATENT  
Client Code: MICRON.240A  
Page 1

**COPY**

## ASSIGNMENT

WHEREAS, we, Amma J. Jensen, a United States citizen, residing at 1097 Melrose Street, #225, Boise, ID 83706, Superintendent of Castroville, a corporation, residing at 5105 W. Monte Nevis, Chanhassen, MN 55315 and Paul Castroville, a corporation, residing at 5105 W. Monte Nevis, Chanhassen, MN 55315 Have  
invented certain new and useful improvements in a **HIGH ASPECT RATIO CONTACT STRUCTURE WITH REDUCED SILICON CONSUMPTION** for which we have executed an application for Letters Patent in the United States, on even  
date herewith;

AND WHEREAS, MICRON TECHNOLOGY, INC. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 8000 South Federal Way, Post Office Box 6, Boise, ID 83707-006, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and continuations thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of the United States in any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, signing lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31 day of Oct, 2001.

### Aminar Dettar

STATE OF *Idaho*

COUNTY OF Alila

**SS.**

On 10/31/01, before me, Lori Bissenden, personally appeared Ammar Derraa personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that they executed the same in their authorized capacity(ies), and that by their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

**WITNESS:**

[SEAL]

**Notary Signature**

**COPY**

**- DO NOT RECORD -**

03-07-2002 10:34

From-KNOBBE MARTENS OLSEN and BEAR

P.003/008 F-326

PATENT

Client Code: MICRON.240A

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Application No.: Unknown  
Filing Date: Unknown

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of March, 2002

Sujit Sharan  
Sujit Sharan

STATE OF

ss.

COUNTY OF

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Sujit Sharan personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31 day of October, 2001

Paul J. Castroville  
Paul Castroville

STATE OF Idaho

ss.

COUNTY OF Ada

On 10/31/01, before me, Lori Bissenden, personally appeared Paul Castroville personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

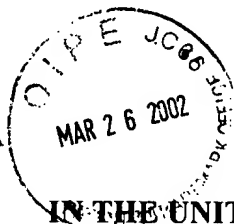
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Lori Bissenden  
Notary Signature

MICRON.240A



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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Ammar Derraa, Sujit Sharan and )  
Paul Castroville )  
App. No. : 09/944903 )  
Filed : August 30, 2001 )  
For : HIGH ASPECT RATIO CONTACT )  
STRUCTURE WITH REDUCED )  
SILICON CONSUMPTION )  
Examiner : Unknown )

**ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION**  
**AND**  
**REVOCATION AND POWER OF ATTORNEY**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, **Customer No. 20,995**, Michael L. Lynch, Reg. No. 30,871, and Charles B.

App. No. : Unknown  
Filed : Herewith

Brantley, Reg. No. 38,086, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

MICRON TECHNOLOGY, INC.

Dated: March 20, 2002

By: 

Roderic W. Lewis

Title: Vice President of Legal Affairs,  
General Counsel and Corporate Secretary

Address: 8000 S. Federal Way  
Boise, Idaho 83707

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